

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 13173-00025-US U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 107569022
INTERNATIONAL APPLICATION NO. PCT/EP2004/008623	INTERNATIONAL FILING DATE 31 July 2004	PRIORITY DATE CLAIMED 17 February 2004
TITLE OF INVENTION METHOD FOR PRODUCING KETOCAROTENOIDS IN GENETICALLY MODIFIED, NON-HUMAN ORGANISMS		
APPLICANT(S) FOR DO/EO/US Ralf Flachmann et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input checked="" type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
<p>Items 11 to 20 below concern document(s) or information included:</p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. <i>10/569022</i>	INTERNATIONAL APPLICATION NO. PCT/EP2004/008623	ATTORNEY'S DOCKET NUMBER 13173-00025-US																																																																																																																
20. <input type="checkbox"/> Other items or information: Form PCT/IPEA/409, Statement To Support Filing And Submission In Accordance With 37 CFR §§1.821 Through 1.825, Nucleotide and/or Amino Acid Sequence Submission on CD (COPY 1, COPY 2, CRF COPY – 3 Discs Total), Postcard, Certificate of Express Mail																																																																																																																		
<table border="1"> <tr> <td colspan="2">The following fees have been submitted</td> <td>CALCULATIONS</td> <td>PTO USEONLY</td> </tr> <tr> <td colspan="2">21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....</td> <td>\$ 300</td> <td></td> </tr> <tr> <td colspan="2">22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....</td> <td>\$ 0</td> <td></td> </tr> <tr> <td colspan="2">All other situations</td> <td>\$ 200</td> <td></td> </tr> <tr> <td colspan="2">23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td>\$ 0</td> <td></td> </tr> <tr> <td colspan="2">Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....</td> <td>\$ 100</td> <td></td> </tr> <tr> <td colspan="2">International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....</td> <td>\$ 400</td> <td></td> </tr> <tr> <td colspan="2">All other situations</td> <td>\$ 500</td> <td></td> </tr> <tr> <td colspan="2">TOTAL OF 21, 22 and 23 =</td> <td>\$ 900.00</td> <td></td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</td> <td colspan="2" rowspan="2"></td> </tr> <tr> <td>Total Sheets</td> <td>Extra Sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td>RATE</td> </tr> <tr> <td>134 - 100 =</td> <td>34 /50 =</td> <td>1</td> <td>x \$250.00</td> </tr> <tr> <td colspan="2">Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="2"> <table border="1"> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> <tr> <td>Total claims</td> <td>12 - 20 =</td> <td></td> <td>x 0.00</td> </tr> <tr> <td>Independent claims</td> <td>2 - 3 =</td> <td></td> <td>x 0.00</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+</td> <td></td> </tr> </table> </td> <td colspan="2"></td> </tr> <tr> <td colspan="2">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$ 1,150.00</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">SUBTOTAL =</td> <td>\$ 1,150.00</td> <td></td> </tr> <tr> <td colspan="2">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="2">TOTAL NATIONAL FEE =</td> <td>\$ 1,150.00</td> <td></td> </tr> <tr> <td colspan="2">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>\$</td> <td></td> </tr> <tr> <td colspan="2">TOTAL FEES ENCLOSED =</td> <td>\$ 1,150.00</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td colspan="2"></td> <td>Amount to be charged</td> <td>\$</td> </tr> </table>			The following fees have been submitted		CALCULATIONS	PTO USEONLY	21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....		\$ 300		22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....		\$ 0		All other situations		\$ 200		23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)		\$ 0		Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....		\$ 100		International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....		\$ 400		All other situations		\$ 500		TOTAL OF 21, 22 and 23 =		\$ 900.00		<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	134 - 100 =	34 /50 =	1	x \$250.00	Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		\$		<table border="1"> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> <tr> <td>Total claims</td> <td>12 - 20 =</td> <td></td> <td>x 0.00</td> </tr> <tr> <td>Independent claims</td> <td>2 - 3 =</td> <td></td> <td>x 0.00</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+</td> <td></td> </tr> </table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	12 - 20 =		x 0.00	Independent claims	2 - 3 =		x 0.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+				TOTAL OF ABOVE CALCULATIONS =		\$ 1,150.00		<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.				SUBTOTAL =		\$ 1,150.00		Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		\$		TOTAL NATIONAL FEE =		\$ 1,150.00		Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$				\$		TOTAL FEES ENCLOSED =		\$ 1,150.00				Amount to be refunded:	\$			Amount to be charged	\$
The following fees have been submitted		CALCULATIONS	PTO USEONLY																																																																																																															
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....		\$ 300																																																																																																																
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....		\$ 0																																																																																																																
All other situations		\$ 200																																																																																																																
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)		\$ 0																																																																																																																
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....		\$ 100																																																																																																																
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....		\$ 400																																																																																																																
All other situations		\$ 500																																																																																																																
TOTAL OF 21, 22 and 23 =		\$ 900.00																																																																																																																
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																																																																																																																		
Total Sheets	Extra Sheets			Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																																																																																																													
134 - 100 =	34 /50 =	1	x \$250.00																																																																																																															
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		\$																																																																																																																
<table border="1"> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> <tr> <td>Total claims</td> <td>12 - 20 =</td> <td></td> <td>x 0.00</td> </tr> <tr> <td>Independent claims</td> <td>2 - 3 =</td> <td></td> <td>x 0.00</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+</td> <td></td> </tr> </table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	12 - 20 =		x 0.00	Independent claims	2 - 3 =		x 0.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+																																																																																																		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																																																																																																															
Total claims	12 - 20 =		x 0.00																																																																																																															
Independent claims	2 - 3 =		x 0.00																																																																																																															
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+																																																																																																																
TOTAL OF ABOVE CALCULATIONS =		\$ 1,150.00																																																																																																																
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.																																																																																																																		
SUBTOTAL =		\$ 1,150.00																																																																																																																
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		\$																																																																																																																
TOTAL NATIONAL FEE =		\$ 1,150.00																																																																																																																
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$																																																																																																																
		\$																																																																																																																
TOTAL FEES ENCLOSED =		\$ 1,150.00																																																																																																																
		Amount to be refunded:	\$																																																																																																															
		Amount to be charged	\$																																																																																																															

10/569022

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO-1390 (Rev. 07-2005)

Approved for use through 03/31/2007. OMB 0651-0021

Approved for use through September 30, 2007. GPO:2004-09-003
U. S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

a. A check in the amount of \$ _____ to cover the above fees is enclosed.

b. Please charge my Deposit Account No. 03-2775 in the amount of \$ 1,150.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.

c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 03-2775. A duplicate copy of this sheet is enclosed.

d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Robert Mabowski
SIGNATURE

SIGNATURE

Roberte M. D. Makowski, Ph.D.

NAME

CUSTOMER NUMBER: 23416

55,421

REGISTRATION NUMBER

10/569022
IAPI2 Rec'd PCT/PTO 17 FEB 2006

PTO/SB/17 (12-04v2)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete If Known		
FEE TRANSMITTAL For FY 2005		Application Number	Not Yet Assigned	
		Filing Date	Concurrently Herewith	
		First Named Inventor	Ralf Flachmann	
		Examiner Name	Not Yet Assigned	
		Art Unit	N/A	
TOTAL AMOUNT OF PAYMENT	(\$)	1,150.00	Attorney Docket No.	13173-00025-US

METHOD OF PAYMENT (check all that apply)					
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____					
<input checked="" type="checkbox"/> Deposit Account Deposit Account Number: <u>03-2775</u> Deposit Account Name: <u>Connolly Bove Lodge & Hutz LLP</u>					
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)					
<input type="checkbox"/> Charge fee(s) indicated below			<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee		
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17			<input checked="" type="checkbox"/> Credit any overpayments		

FEE CALCULATION							
1. BASIC FILING, SEARCH, AND EXAMINATION FEES							
Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		
	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	
	Utility	300	150	500	250	200	100
	Design	200	100	100	50	130	65
	Plant	200	100	300	150	160	80
	Reissue	300	150	500	250	600	300
Provisional	200	100	0	0	0	0	
2. EXCESS CLAIM FEES							
Fee Description							
Each claim over 20 (including Reissues) Fee (\$) Small Entity Fee (\$) 50 25							
Each independent claim over 3 (including Reissues) Fee (\$) Small Entity Fee (\$) 200 100							
Multiple dependent claims Fee (\$) Small Entity Fee (\$) 360 180							
Total Claims Extra Claims Fee (\$) Fee Paid (\$) Multiple Dependent Claims 12 - 20 = x = _____							
Indep. Claims Extra Claims Fee (\$) Fee Paid (\$) 2 - 3 = x = _____							
3. APPLICATION SIZE FEE							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$) 134 - 100 = 34 /50 1 (round up to a whole number) x 250.00 = 250.00							
4. OTHER FEE(S)							
Non-English Specification, \$130 fee (no small entity discount)							
Other (e.g., late filing surcharge): 1631 Basic National Stage fee Fee (\$) Fee Paid (\$) 1633 National Stage Examination Fee - all other ... 300.00							
1642 National Stage Search Fee - search report ... 200.00							
1681 National Stage application size fee - for each ... 400.00							
1681 National Stage application size fee - for each ... 250.00							

SUBMITTED BY						
Signature	<u>Roberte Makowski</u>		Registration No. (Attorney/Agent)	55,421	Telephone	(302) 658-9141
Name (Print/Type)	Roberte M. D. Makowski, Ph.D.		Date	February 17, 2006		

10/569022
IAP12 RECORDED 10:11 AM FEB 3 2006

Application No. (if known): Not Yet Assigned

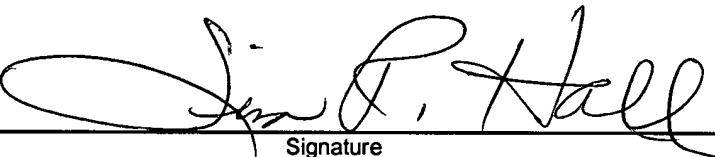
Attorney Docket No.: 13173-00025-US

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV686922629US in an envelope addressed to:

MS PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on FEBRUARY 17, 2006
Date



Signature

Tina R. Hall

Typed or printed name of person signing Certificate

Registration Number, if applicable

Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Transmittal Letter to the United States Designated-Elected Office (3 pages)
Fee Transmittal (1 page)
Application Data Sheet (5 pages)
Copy of the International application with search report (Form PCT/ISA/210) attached
Form PCT/IPEA/409 (7 pages)
English language translation of the International application (134 pages)
Statement To Support Filing And Submission In Accordance With 37 CFR §§1.821 Through 1.825 (2 pages)
Nucleotide and/or Amino Acid Sequence Submission on CD (COPY 1, COPY 2, CRF COPY – 3 Discs Total)
Executed Combined Declaration and Power of Attorney (5 pages)
Preliminary Amendment (8 pages)
Information Disclosure Statement (2 pages), SB08 (2 pages)
Copies of references (16)
Postcard, Certificate of Express Mailing (1 page)
Authorization to charge \$1,150.00 to deposit account 03-2775

10/569022

APR 26 2006

Docket No.: 13173-00025-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Ralf Flachmann et al.

Conf. No.: Not yet assigned

Application No.: Not yet assigned

Group Art Unit: Not yet assigned

Filed: Concurrently herewith

Examiner: Not Yet Assigned

For: **METHOD FOR PRODUCING
KETOCAROTENOIDS IN GENETICALLY
MODIFIED, NON-HUMAN ORGANISMS**

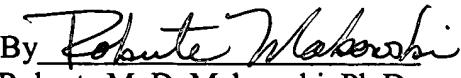
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT TO SUPPORT FILING AND SUBMISSION
IN ACCORDANCE WITH 37 CFR §§1.821 THROUGH 1.825**

- 37 C.F.R. §1.821(f)** - I hereby state that the information recorded in computer readable form is identical to the written (on paper or compact disc) Sequence Listing submitted herewith.
- 37 C.F.R. §1.52(e)(4)** - I hereby state that the two compact discs are identical.
- 37 C.F.R. 1.821(g)** - I hereby state that the submission, filed in accordance with 37 C.F.R. 1.821(g), herein does not include new matter.
- 37 C.F.R. §1.821(h)** - I hereby state that the submission, filed in accordance with 37 C.F.R. §1.821(h), herein does not include new matter or go beyond the disclosure in the international application.
- 37 C.F.R. §1.825(a)** - I hereby state that the amendments, made in accordance with 37 C.F.R. §1.825(a), included in the substitute sheet(s) or compact disc(s) of the Sequence Listing are supported in the application, as filed, at _____. I hereby state that the substitute sheet(s) of the Sequence Listing does (do) not include new matter.
- 37 C.F.R. §1.825(b)** - I hereby state that the substitute copy of the computer readable form, submitted in accordance with 37 C.F.R. §1.825(b), is the same as the amended Sequence Listing.

37 C.F.R. §1.825(d) - I hereby state that the substitute copy of the computer readable form, submitted in accordance with **37 C.F.R. §1.825(d)**, is identical to that originally filed.

Respectfully submitted,

By 

Roberte M. D. Makowski, Ph.D.

Registration No.: 55,421

CONNOLLY BOVE LODGE & HUTZ LLP

1007 North Orange Street

P.O. Box 2207

Wilmington, Delaware 19899

(302) 658-9141

(302) 658-5614 (Fax)

Attorney for Applicants

446538